The Sprint to Savings: Cutting consumption through competition

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DCGreenSchoolsChallenge.com
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Elevating the Quality of Life in the District
Venezuela’s Burn Rate

Compared with neighbors, Venezuelans get gasoline cheap and use a lot.

<table>
<thead>
<tr>
<th></th>
<th>Price per gallon*</th>
<th>Consumption per capita†</th>
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</thead>
<tbody>
<tr>
<td>Venezuela</td>
<td>$0.04</td>
<td>413 kg</td>
</tr>
<tr>
<td>Colombia</td>
<td>$4.72</td>
<td>60</td>
</tr>
<tr>
<td>Brazil</td>
<td>$5.40</td>
<td>86</td>
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</tbody>
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*Regular gasoline in January  †In kilograms of oil equivalent
Source: Associates for International Research (AIRINC); The World Bank (consumption)
The Wall Street Journal
**LAST RECORDED DAY - 12/06/2014**

**BUILDING TYPE**
High School

**SIZE**
282,200 SF

**EUI (KBTU/SF/YR)**
95 EUI

**ANNUAL ENERGY COST**
$583,060

**ANNUAL ELECTRICITY USE**
3,799,527 kWh

**ANNUAL NATURAL GAS USE**
139,786 Therms

**ANNUAL GHG EMISSIONS**
2,385 Tons

**GAS AS % OF BTUS**
52%

**GAS AS % OF ENERGY COST**
23%

**ENERGY EFFICIENCY**
90-100 A

**LAST 10 DAY ELECTRICITY DEMAND**
Leverage partnerships

$20,000

Volunteer mentors, 20+ organizations, including:

- DC Sustainable Energy Utility
- US Green Building Council National Capital Region
- Clark Construction
- Tishman Speyer
- HKS
Lessons and next steps

Lessons

• Incentives work: cash, efficiency upgrades, recognition, pride
• Data is key
• Educational and leadership value for students

Next Steps

• Scaling up: From pilot to district-wide
  – Reconsider budget model to eliminate subsidies
  – Revenue POSITIVE = city saves money, schools have more $$ for books, computers, resources